

ABSTRACT OF THE DISCLOSURE

A door latching or locking mechanism or module for a self-cleaning oven includes latching linkage of the door latch module that enables use of lighter duty, less expensive motor. The mechanical advantage and vector optimization of the latching linkage avoids stalling especially from a locked position. The latching mechanism includes a plurality of switches having a corresponding plurality of terminals. The terminals are grouped or ganged to allow connection with a single connector interface. The switches are selectively actuatable/de-actuatable by a cam and cam plate that utilizes linear motion translated from rotational motion of a driven (motor) to selectively actuate and/or de-actuate the switches.

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